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T Garfinkel, B Pfaff, J Chow, M Rosenblum, ... - ACM SIGOPS ..., 2003 - portal.acm.org

Page 1. **Terra: A Virtual Machine-Based Platform for Trusted Computing** Tal ... We discuss related work in section 6 and conclude in section 7. 2. **TERRA ARCHITECTURE** At the heart of **Terra** is a **virtual machine** monitor (VMM). Like ...

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... Since each application requires a full-blown **virtual machine**, this approach does not scale well with increasing numbers of domains (eg applications). **Terra** executes drivers at high privilege, so its TCB is larger than that of **Nexus**. ...

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... Palladium is said to have a high-assurance trusted microkernel running on hardware (called the **nexus**) that provides strong isolation between legacy untrusted and newer trusted applications, as well as among trusted applications. ... **Terra: A virtual machine-based platform for ...**

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M Abadi, T Wobber - Lecture notes in computer science, 2004 - Springer

... it loads a **Nexus** Computing Agent (NCA). The **Nexus** may be implemented, for example, by combining a **virtual-machine** hypervisor with a trusted guest operating system [10,15]. For simplicity, we focus on situations with one ...

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... The **Nexus** provides a very general interface by which applications direct the kernel

to create a protected memory region of a given size, using a given blocksize. ... **Terra**:

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... Secure Storage. Leverage the TPM to encrypt the key files in the isolated disks. In this system, **NEXUS** in NGSCB supports it. ... **Terra: A Virtual Machine** Based Platform for Trusted Computing, SOSPO'03, Bolton Landing, New York, USA, October 19–22, 2003, pp.193-206. ...

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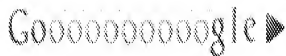
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